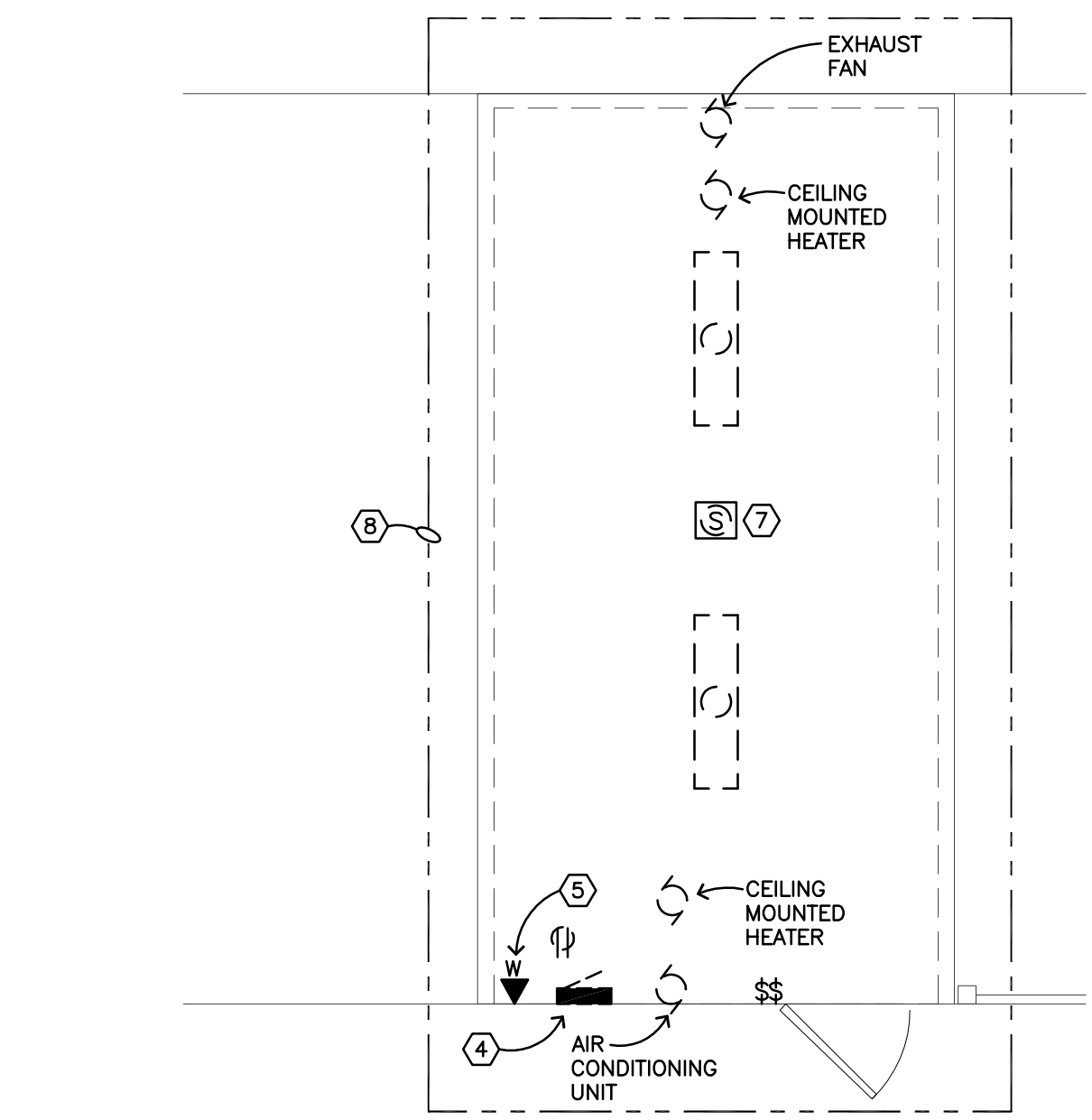


ELECTRICAL SYMBOLS LEGEND	
SYMBOLS	DESCRIPTION
	DASHED LINES INDICATE EXISTING FIXTURES, DEVICES, OR EQUIPMENT
	SURFACE MOUNTED LIGHT FIXTURE
	POST TOP LIGHT FIXTURE
	SINGLE POLE
	DUPLEX RECEPTACLE
	SPECIAL PURPOSE RECEPTACLE
	MOTOR
	LIGHTING AND APPLIANCE PANELBOARD
	THERMOSTAT
	SURFACE MOUNTED SPEAKER
	PUSH BUTTON
	TELEPHONE OUTLET
	SECURITY CAMERA
	NURSE CALL
	NOTE IDENTIFICATION

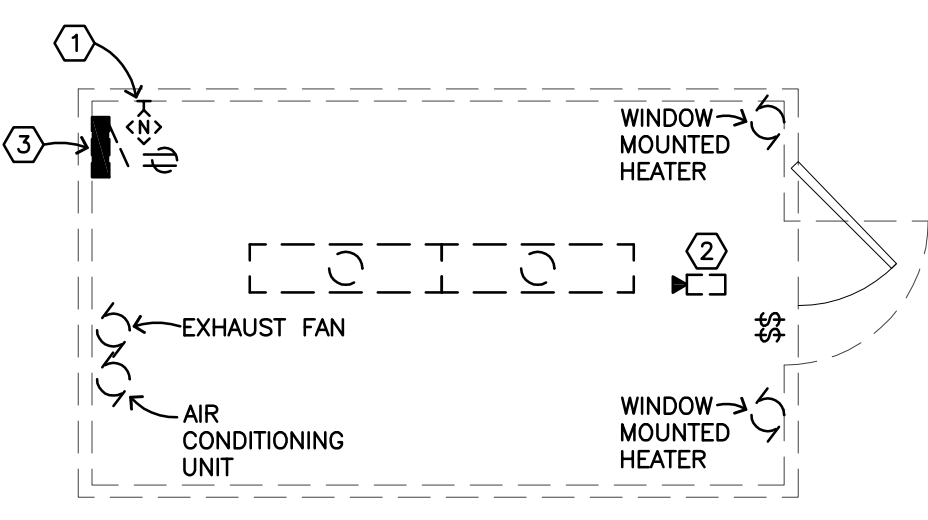
GENERAL NOTES:
1. ALL DEVICES AND EQUIPMENT SHOWN TO BE DISCONNECTED AND REMOVED UNLESS NOTED OTHERWISE.

PLAN NOTES:

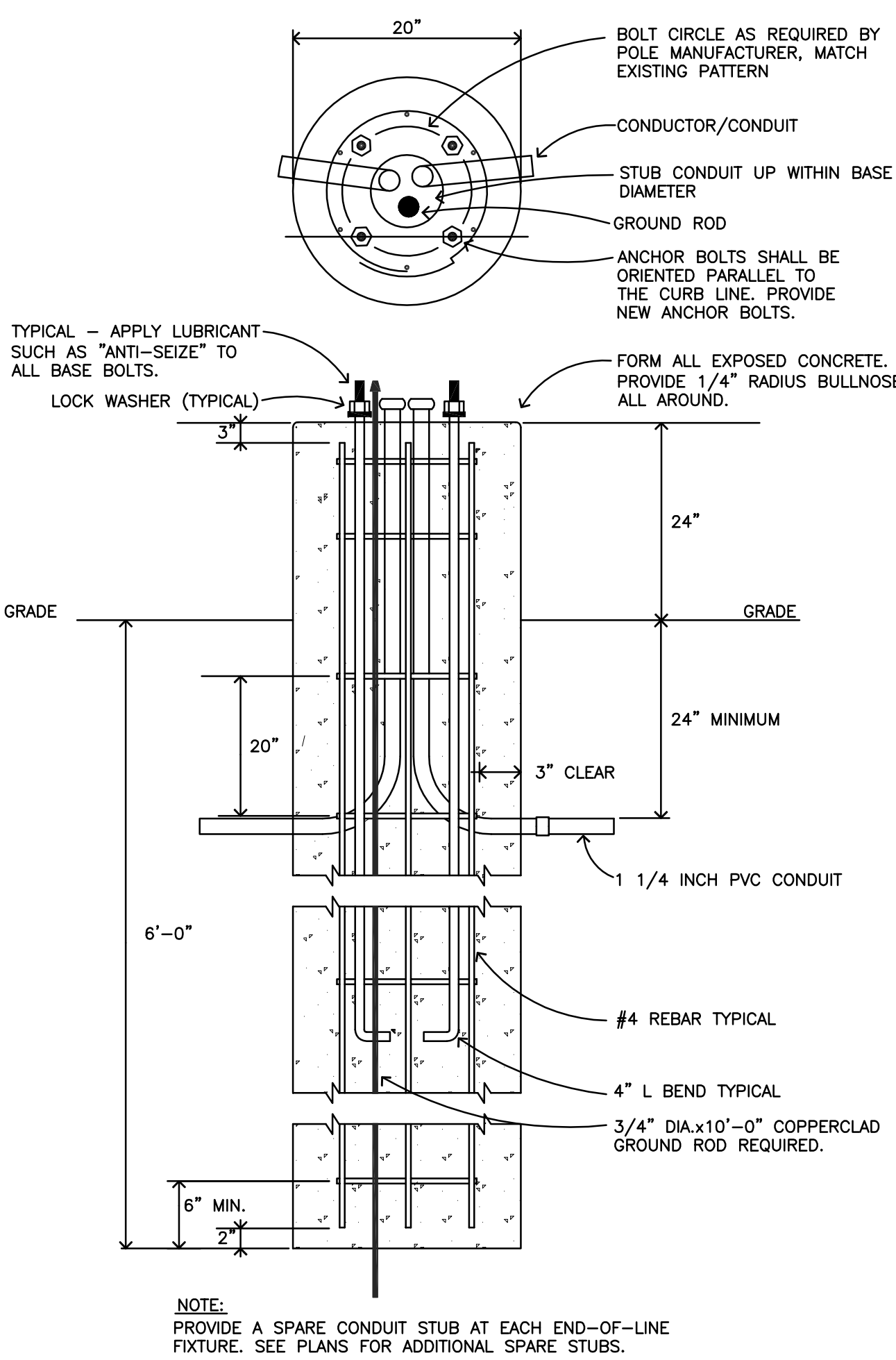
- DISCONNECT AND REMOVE EXISTING NURSE CALL DEVICE. SALVAGE FOR INSTALLATION IN NEW PATIENT SMOKING SHELTER.
- DISCONNECT AND REMOVE EXISTING SECURITY CAMERA. SALVAGE FOR REINSTALLATION IN NEW PATIENT SMOKING SHELTER. SALVAGE SECURITY WIRING FOR CAMERA INSTALLATION IN NEW SHELTER.
- DISCONNECT AND REMOVE EXISTING ELECTRICAL PANEL. REMOVE CONDUCTORS BACK TO SOURCE OF SUPPLY. PANEL EB48NTEL #1 IN ROOM BC-50. COORDINATE WORK WITH VAMC PROJECT ENGINEER.
- DISCONNECT AND REMOVE EXISTING ELECTRICAL PANEL. REMOVE CONDUCTORS BACK TO SOURCE OF SUPPLY.
- DISCONNECT EXISTING TELEPHONE. SALVAGE FOR INSTALLATION IN NEW STAFF SMOKING SHELTER.
- DISCONNECT AND REMOVE EXISTING LIGHT POLE AND FIXTURE. SALVAGE FOR REINSTALLATION WHERE SHOWN ON 1/22. REMOVE EXISTING CONCRETE BASE. PATCH CONCRETE TO MATCH EXISTING. WORK TO BE DELETED UNDER DEDUCT ALTERNATE BID #2.
- DISCONNECT AND REMOVE EXISTING PAGING SPEAKER. SALVAGE FOR INSTALLATION IN NEW STAFF SMOKING SHELTER.
- DELETE ALL WORK ASSOCIATED WITH NEW STAFF SMOKING SHELTER UNDER DEDUCT ALTERNATE BID #5.



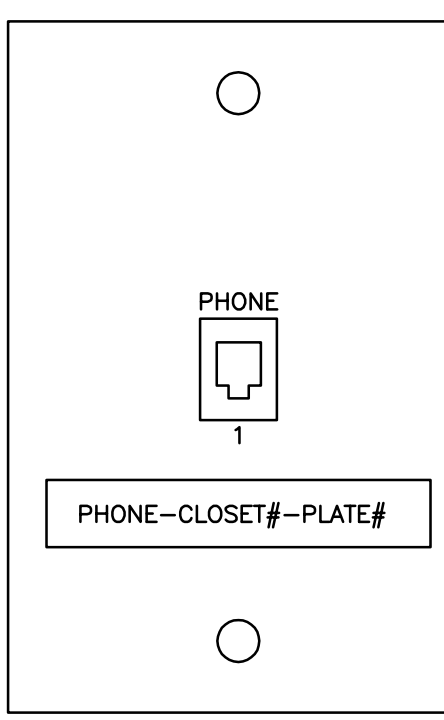
2
E1
STAFF SMOKING SHELTER
DEMOLITION PLAN - ELECTRICAL



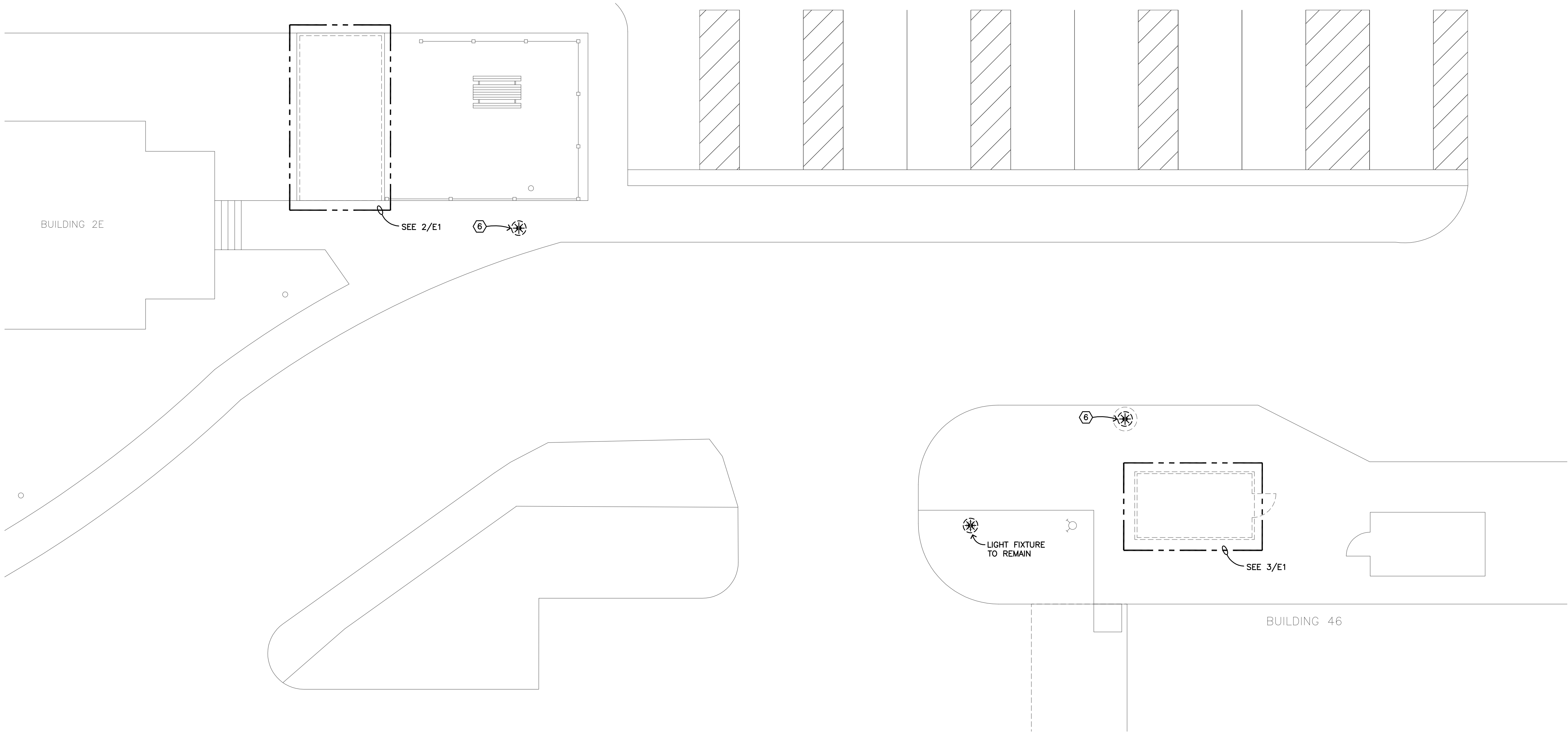
3
E1
PATIENT SMOKING SHELTER
DEMOLITION PLAN - ELECTRICAL



4
E1
LIGHT POLE BASE DETAIL
NOT TO SCALE



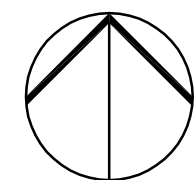
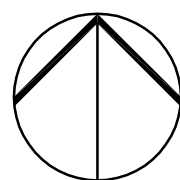
5
E1
WALL MOUNT PHONE PLATE DETAIL
NO SCALE



1
E1
SITE DEMOLITION PLAN - ELECTRICAL

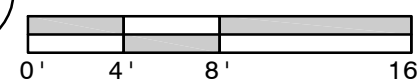
4/Project/2013/13-067/Design/13-067 E1.dwg May 08, 2013 - 9:56am

 Dept. of Veterans Affairs Medical Center 2101 Elm Street North Fargo, ND 58102	 IMAGE GROUP INC. 403 CENTER AVENUE, SUITE 300 MOORHEAD, MN 56560	IMAGE GROUP INC., Architecture & Interiors OBERMILLER NELSON ENGINEERING, Mechanical Engineers MBN ENGINEERING, Civil & Electrical Engineers		Drawing Title ELECTRICAL DEMOLITION PLANS	Project Title FARGO VA HEALTH CARE SYSTEM REPLACE SMOKING SHELTERS	Date MAY 8, 2013	
VA Project No. 437-13-117	Contract No. VA263-P-1217 VA263-C-	Designed By MB	Checked By MB	Drawn By TP	Drawing No. E1	Dwg. 6 of 7	
Building No. SITE	AutoCAD File Name 13-067 E1.dwg	Location FARGO VA HEALTH CARE SYSTEM FARGO, ND					



PANEL SCHEDULE																	
PANEL: PS1N1			MAIN: MCB 100A			ENCLOSURE: NEMA 3R			LOCATION: SMOKING SHLTR								
RATING: 100 AMP			VOLTS: 208Y/120, 3 PH., 4W.			RATING: 10,000			MOUNTING: SURFACE			FED FROM: PNL 461N2					
CKT #	TRIP AMPS	POLE	LOAD IN VOLT-AMPERES				LOAD DESCRIPTION	PH	LOAD IN VOLT-AMPERES				TRIP AMPS	POLE	CKT #		
			LIGHTING	RECP	MTRS&EQUIP	KITCHEN	HEAT/AC			LOAD DESCRIPTION	HEAT/AC						
1	20	1	175	200	500					LIGHTS, REC-EX FAN		A	DOOR OPERATOR	20	1		
3	30	3					2000			HEATER		B	HEATER	30	4		
5	2						1320			AC UNIT		A	SPARE	2	1		
9	2						1320					B	SPARE	2	1		
11	20	1								SPARE		C	SPARE	2	1		
13	20	1								SPARE		A	SPARE	2	1		
15	20	1								SPARE		B	SPARE	2	1		
17	20	1								SPARE		C	SPARE	2	1		
LOAD CALCULATIONS																	
LOAD TYPE		VA / PHASE			TOTAL VA		DEMAND FACTOR		DIVERSIFIED LOAD								
		A	B	C	0	175	1.00	175									
LIGHTING		175	0	0	0	175	1.00	175									
RECEP/TACKS		200	0	0	0	200	0.50	100									
MOTORS & EQUIP		1000	0	0	0	1000	0.90	900									
KITCHEN EQUIP.		0	0	0	0	0	0.65	0									
HEAT / AC		1320	5320	4000	10640	900	0.976	8784									
		LARGEST MOTOR				0	0.25	0									
TOTAL AMPS		30			TOTAL VA:		10,751										
NOTES:																	

PANEL SCHEDULE																						
PANEL: PS1N1			MAIN: MCB 100A ENCLOSURE: NEMA 3R										LOCATION: SMOKING SHLTR									
RATING: 100 AMP			AIC VOLTS: 208Y/120, 3 PH., 4W.					10,000					MOUNTING: SURFACE					FED FROM: PNL 461N2				
CKT #	TRIP AMPS	POLE	LIGHTING	LOAD IN VOLT-AMPERES			HEAT/AC	LOAD DESCRIPTION	PH	LOAD OPERATOR	HEAT/AC	LOAD IN VOLT-AMPERES			TRIP AMPS	POLE	CKT #					
				RECP	MTRS&EQUIP	KITCHEN		KITCHEN		RECP		RECP	LIGHTING									
1	20	1	175	200	500			LIGHTS, REC'D EX FAN	A	DOOR OPERATOR		500		20	1	2						
3	30	1					2000	HEATER	B	HEATER	2000			30	4	6						
5	2						1320	AC UNIT	A	SPARE				20	1	8						
9	2						1320		B	SPARE				20	1	10						
11	20	1						SPARE	C	SPARE				20	1	12						
13	20	1						SPARE	A	SPARE				20	1	14						
15	20	1						SPARE	B	SPARE				20	1	16						
17	20	1						SPARE	C	SPARE				20	1	18						
LOAD CALCULATIONS																						
LOAD TYPE		VA / PHASE			TOTAL VA		DEMAND FACTOR		DIVERSIFIED LOAD													
		A	B	C	TOTAL	D	E	F	G	H	I	J	K	L	M	N	O					
LIGHTING		175	0	0	175	1.00	175															
RECEIPTS/EQUIP		200	0	0	200	0.50	100															
MOTORS & EQUIP		1000	0	0	1000	0.90	900															
KITCHEN EQUIP.		0	0	0	0	0.65	0															
HEAT / AC		1320	5320	4000	10640	0.90	9576															
LARGEST MOTOR						0.25	0															
TOTAL AMPS		30				TOTAL VA:				10,751												
NOTES:																						



- GENERAL NOTES:
1. ALL DEVICE AND EQUIPMENT LOCATIONS TO BE VERIFIED WITH VA PROJECT ENGINEER PRIOR TO INSTALLATION.
- PLAN NOTES:
- 1) CONNECT SALVAGED TELEPHONE TO EXISTING PHONE SYSTEM. EXTEND EXISTING WIRING REQUIRED AND PULL NEW CABLEING FOR CONNECTION TO EXISTING SYSTEM.
 - 2) CONNECT DOOR OPERATORS TO NEW SHELTER PANEL. DOOR OPERATOR TO BE PROVIDED AND MOUNTED BY SHELTER PROVIDOR.
 - 3) CONNECT NEW PANEL SS1N1 WITH 3#6+4#60RD IN A 1 INCH CONDUIT TO EXISTING HOUSE PANEL IN BASEMENT OF ADJACENT BUILDING 2E, SIZE 1/2" FOR BUILDING CONNECTION. PROVIDE NEW 60/3 BREAKER.
 - 4) NEW 208/240 VOLT, 3 PHASE, 18 CIRCUIT, NEMA 3R PANEL. PANEL TO BE SUPPLIED AND MOUNTED BY SHELTER SUPPLIER.
 - 5) CONNECT SALVAGED NURSE CALL DEVICE TO EXISTING HOSPITAL NURSE CALL SYSTEM. EXTEND EXISTING CONDUIT AND REQUIRED WIRING AND PULL NEW CABLEING FOR CONNECTION TO EXISTING SYSTEM.
 - 6) CONNECT SALVAGED SECURITY CAMERA TO EXISTING HOSPITAL SECURITY SYSTEM. EXTEND EXISTING CONDUIT AND REQUIRED WIRING FOR CONNECTION TO EXISTING SYSTEM.
 - 7) CONNECT NEW PANEL PS1NS WITH 3#6+4#60RD IN A 1 INCH CONDUIT TO EXISTING PANEL 461N2 IN ELECTRICAL ROOM 1C-51 IN ADJACENT BUILDING 46, SIZE 1/2" FOR BUILDING CONNECTION AND APPROXIMATE PANEL LOCATION. PROVIDE NEW 60/3 BREAKER.
 - 8) CONNECT 1"x4" SURFACE MOUNTED HARSH ENVIRONMENT FXTURE EQUAL TO LITHONIA SERIES DMM- HIGH IMPACT ACRYLIC LENS, ELECTRONIC BALLAST, (2) 28W/TS LAMPS. FXTURE TO BE SUPPLIED AND MOUNTED BY SHELTER SUPPLIER.
 - 9) PROVIDE 120 VOLT CONNECTION TO EXHAUST FAN. FAN TO BE CONTROLLED BY OCCUPANCY SENSOR. EXHAUST FAN OCCUPANCY SENSOR TO BE SUPPLIED AND MOUNTED BY SHELTER SUPPLIER.
 - 10) CONNECT 208 VOLT SINGLE PHASE CONNECTION TO 4000 KW SURFACE MOUNT UNIT HEATER. HEATER EQUAL TO 404548-541-550-551-552-553-554-555-556-557-558-559-560-561-562-563-564-565-566-567-568-569-570-571-572-573-574-575-576-577-578-579-580-581-582-583-584-585-586-587-588-589-590-591-592-593-594-595-596-597-598-599-600-601-602-603-604-605-606-607-608-609-610-611-612-613-614-615-616-617-618-619-620-621-622-623-624-625-626-627-628-629-630-631-632-633-634-635-636-637-638-639-640-641-642-643-644-645-646-647-648-649-650-651-652-653-654-655-656-657-658-659-660-661-662-663-664-665-666-667-668-669-670-671-672-673-674-675-676-677-678-679-680-681-682-683-684-685-686-687-688-689-690-691-692-693-694-695-696-697-698-699-700-701-702-703-704-705-706-707-708-709-710-711-712-713-714-715-716-717-718-719-720-721-722-723-724-725-726-727-728-729-730-731-732-733-734-735-736-737-738-739-740-741-742-743-744-745-746-747-748-749-750-751-752-753-754-755-756-757-758-759-760-761-762-763-764-765-766-767-768-769-770-771-772-773-774-775-776-777-778-779-780-781-782-783-784-785-786-787-788-789-790-791-792-793-794-795-796-797-798-799-800-801-802-803-804-805-806-807-808-809-810-811-812-813-814-815-816-817-818-819-820-821-822-823-824-825-826-827-828-829-830-831-832-833-834-835-836-837-838-839-840-841-842-843-844-845-846-847-848-849-850-851-852-853-854-855-856-857-858-859-860-861-862-863-864-865-866-867-868-869-870-871-872-873-874-875-876-877-878-879-880-881-882-883-884-885-886-887-888-889-890-891-892-893-894-895-896-897-898-899-900-901-902-903-904-905-906-907-908-909-910-911-912-913-914-915-916-917-918-919-920-921-922-923-924-925-926-927-928-929-930-931-932-933-934-935-936-937-938-939-940-941-942-943-944-945-946-947-948-949-950-951-952-953-954-955-956-957-958-959-960-961-962-963-964-965-966-967-968-969-970-971-972-973-974-975-976-977-978-979-980-981-982-983-984-985-986-987-988-989-990-991-992-993-994-995-996-997-998-999-1000
 - 11) PROVIDE 208 VOLT SINGLE PHASE CONNECTION TO THRU WALL AIR CONDITIONING UNIT. A/C UNIT TO BE SUPPLIED AND MOUNTED BY SHELTER SUPPLIER.
 - 12) INSTALL SALVAGED LIGHT FIXTURE. CONNECT TO EXISTING CIRCUIT. PROVIDE 120 VOLT CONCRETE BASE. SEE DETAIL 4/F-1. CUT AND PATCH CONCRETE TO ALLOW FOR EXISTING CONDUIT AND CONDUCTORS AS REQUIRED. WORK TO BE DELETED UNDER DEDUCT ALTERNATE BID #2.
 - 13) REINSTALL SALVAGED PAGING SPEAKER. CONNECT TO HOSPITAL PAGING SYSTEM. REUSE EXISTING WIRING AND CONDUIT CONNECTIONS TO EXISTING SYSTEM.
 - 14) PROVIDE TEMPORARY POWER TO TEMPORARY SHELTER LOCATION WITH EXISTING POWER SUPPLY. EXTEND CONDUIT AND CONDUCTORS AS REQUIRED. PROVIDE TEMPORARY CONNECTIONS TO EXISTING HOSPITAL AND NURSE CALL DEVICES. EXTEND CONDUIT AS NECESSARY. SUPPLY EXISTING CABLEING WITH NEW CABLEING IN ORDER TO CABLE TO NEW LOCATIONS.
 - 15) PROVIDE NEW PAGING SPEAKER. SPEAKER TO BE LOWELL MODEL 810 WITH CB84 SURFACE MOUNT BOX AND JGBX GRILLE. CONNECT TO NEAREST HOSPITAL PAGING SPEAKER. PROVIDE 46 VOLT 50 WATT 3/4 INCH CONDUIT. PAGING SPEAKER TO BE PROVIDED AND MOUNTED BY SMOKING SHELTER SUPPLIER.
 - 16) DELETE ALL WORK ASSOCIATED WITH NEW STAFF SMOKING ORDER DEDUCT ALTERNATE BID #5.
 - 17) AUTOMATIC DOOR OPERATOR PROVIDED AND MOUNTED BY SMOKING SHELTER PROVIDOR.